L	Hits	Search Text	DB	Time stamp
Number	nics		l pp	Time Stamp
-	1	("20030039087").PN.	USPAT;	2003/05/20
_	1	("5849135").PN.	US-PGPUB USPAT;	14:39 2003/05/06
	[(3049133).PN.	US-PGPUB	18:24
-	4651	vacuum near3 chuck	USPAT;	2003/05/06
			US-PGPUB	18:25
~	0	vacuum near3 chuck3 and (substrate or wafer)	USPAT; US-PGPUB	2003/05/06 18:25
_	3956	(vacuum near3 chuck) and (substrate or	USPAT;	2003/05/06
]	İ	wafer)	US-PGPUB	18:27
_	3233	(vacuum near chuck) and (substrate or wafer)	USPAT; US-PGPUB	2003/05/06 18:27
_	2118	(vacuum near chuck) near7 (substrate or	USPAT;	2003/05/06
		wafer)	US-PGPUB	18:29
-	1883	((vacuum near chuck) near7 (substrate or wafer)) and @ad<20010827	USPAT; US-PGPUB	2003/05/07 09:17
]_	1467	(((vacuum near chuck) near7 (substrate or	USPAT;	2003/05/06
]	wafer)) and @ad<20010827) and partic\$5	US-PGPUB	19:17
-	246	((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/07
		or wafer)) and @ad<20010827) and partic\$5) and actuator	US-PGPUB	11:29
-	0	((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/06
}		or wafer)) and @ad<20010827) and	US-PGPUB	18:57
]_	53	partic\$5) and (impulse near7 actuator) ((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/06
Ì		or wafer)) and @ad<20010827) and	US-PGPUB	18:58
Ì		partic\$5) and impulse		
j -	39909	impulse and partic\$5	USPAT; US-PGPUB	2003/05/06 19:18
_	411	impulse and (remov\$4 near7 partic\$5) and	USPAT;	2003/05/06
1]	(substrate or wafer)	US-PGPUB	19:20
-	352	(impulse and (remov\$4 near7 partic\$5) and (substrate or wafer)) and @ad<20010827	USPAT; US-PGPUB	2003/05/06
-	1035	(134/1.1,1.2,1.3).ccls.	USPAT;	2003/05/06
İ	<u> </u>		US-PGPUB	19:29
-	7	((134/1.1,1.2,1.3).ccls.) and impulse	USPAT; US-PGPUB	2003/05/07
-	200	((134/1.1,1.2,1.3).ccls.) and (vibrat\$3	USPAT;	2003/05/07
		or agita\$4)	US-PGPUB	09:00
_	200	((134/1.1,1.2,1.3).ccls.) and (vibrat\$3 or agita\$4)	USPAT; US-PGPUB	2003/05/07
-	18	((134/1.1,1.2,1.3).ccls.) and (vacuum	USPAT;	2003/05/07
	1000	near chuck)	US-PGPUB	09:01
_	1883	((vacuum near chuck) near7 (substrate or wafer)) and @ad<20010827	USPAT; US-PGPUB	2003/05/07
-	1295	((vacuum near chuck) near3 (substrate or	USPAT;	2003/05/07
		wafer)) and @ad<20010827	US-PGPUB	09:46
-	118	(((vacuum near chuck) near3 (substrate or wafer)) and @ad<20010827) and (spherical	USPAT; US-PGPUB	2003/05/07
		or hemispherical)	05 15101	10.50
-	264	156/345.51.ccls.	USPAT;	2003/05/07
_	24	156/345.51.ccls. and (vacuum near chuck)	US-PGPUB USPAT;	10:36
	"	130, 510.51.6615. And (vacuum near chuck)	US-PGPUB	10:37
-	303	((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/07
	[or wafer)) and @ad<20010827) and partic\$5) and (vibrat\$4 or agitat\$4)	US-PGPUB	11:31
-	303	(((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/07
		or wafer)) and @ad<20010827) and	US-PGPUB	11:34
		partic\$5) and (vibrat\$4 or agitat\$4)) not 156/345.51.ccls.		}
	0	((((((vacuum near chuck) near7 (substrate	USPAT;	2003/05/07
		or wafer)) and @ad<20010827) and	US-PGPUB	11:35
		partic\$5) and (vibrat\$4 or agitat\$4)) not 156/345.51.ccls.) and (hemispherical		
į l		near3 reinforcement)		

[-	0	((((((vacuum near chuck) near7 (substrate or wafer)) and @ad<20010827) and	USPAT; US-PGPUB	2003/05/07
		partic\$5) and (vibrat\$4 or agitat\$4)) not 156/345.51.ccls.) and (hemispherical		
_	8	near7 reinforcement) (vacuum near chuck) and (hemispherical near7 reinforcement)	USPAT; US-PGPUB	2003/05/07
_	3648	eliminat\$4 or clean\$4) near7 partic\$5)	JPO; DERWENT	2003/05/07
_	1233	h011021/\$.ipc. and ((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))	JPO; DERWENT	2003/05/07
-	55	c23c016/\$.ipc. and ((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5	JPO; DERWENT	2003/05/07 14:58
-	1244	near4 (substrate or wafer)) (h011021/\$.ipc. and ((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5	JPO; DERWENT	2003/05/07
		near4 (substrate or wafer))) or (c23c016/\$.ipc. and ((remov\$4 or		
_	2123	eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))) h011021/\$.ipc. and ((vibrat\$4 or agitat\$4	JPO;	2003/05/07
-	39	or actuat\$3) near7 (substrate or wafer)) ((h011021/\$.ipc. and ((remov\$4 or	DERWENT JPO;	15:29 2003/05/07
		eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))) or (c23c016/\$.ipc. and ((remov\$4 or	DERWENT	15:05
		eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer)))) and (h011021/\$.ipc. and ((vibrat\$4 or		
		agitat\$4 or actuat\$3) near7 (substrate or wafer)))		
_	114	c23c016/\$.ipc. and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer)) (c23c016/\$.ipc. and ((remov\$4 or	JPO; DERWENT JPO;	2003/05/07 15:27 2003/05/07
		eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))) and	DERWENT	15:27
		(c23c016/\$.ipc. and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer)))		
-	5512	((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))	USPAT; US-PGPUB	2003/05/07
-	7534	((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))	JPO; DERWENT	2003/05/07
-	0	(((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near4 (substrate or wafer))) and (_ ((vibrat\$4 or agitat\$4 or	JPO; DERWENT	2003/05/07
-	6530	actuat\$3) near7 (substrate or wafer))) (remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)	USPAT; US-PGPUB	2003/05/07
-	7534	(vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer)	JPO; DERWENT	2003/05/07 15:33
- _	11947	<pre>(vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer) ((remov\$4 or eliminat\$4 or clean\$4) near7</pre>	USPAT; US-PGPUB USPAT;	2003/05/07 15:35 2003/05/07
	924	partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7	US-PGPUB	15:35
_	793	near7 partic\$5 near7 (substrate or wafer)	USPAT; US-PGPUB	2003/05/07
) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and @ad<20010827		
-	19	<pre>(((((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer)) and</pre>	USPAT; US-PGPUB	2003/05/07 15:54
-	1	@ad<20010827) and vacuum) and reinforc\$5 5625249.pn.	USPAT; US-PGPUB	2003/05/07 15:54

-	411	<pre>((((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3)</pre>	USPAT; US-PGPUB	2003/05/07
	195	near7 (substrate or wafer))) and @ad<20010827) and vacuum ((((remov\$4 or eliminat\$4 or clean\$4)	USPAT;	2003/05/07
	195	near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and	US-PGPUB	18:07
_	127	1	USPAT;	2003/05/07
		near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and @ad<20010827) and 134/\$.ccls.) not (((((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and	US-PGPUB	18:09
-	0	<pre>@ad<20010827) and vacuum) ((((((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and @ad<20010827) and 134/\$.ccls.) not (((((remov\$4 or eliminat\$4 or clean\$4) near7 partic\$5 near7 (substrate or wafer)</pre>	USPAT; US-PGPUB	2003/05/07 18:09
) and ((vibrat\$4 or agitat\$4 or actuat\$3) near7 (substrate or wafer))) and @ad<20010827) and vacuum)) and vacuum		
-	789	118/728.ccls. and vacuum	USPAT; US-PGPUB	2003/05/07 18:10
-	739	(118/728.ccls. and vacuum) and @ad<20010827	USPAT; US-PGPUB	2003/05/07 18:22
-	148	((118/728.ccls. and vacuum) and @ad<20010827) and (vacuum near4 (chuck or hold or held))	USPAT; US-PGPUB	2003/05/07 18:46
-	197	(piston near7 (vibrat\$4 or agitat\$4)) and impulse	USPAT; US-PGPUB	2003/05/07
-	147	(piston near4 (vibrat\$4 or agitat\$4)) and impulse	USPAT; US-PGPUB	2003/05/07 18:51
-	117	((piston near7 (vibrat\$4 or agitat\$4)) and impulse) and fluid	USPAT; US-PGPUB	2003/05/12 17:09
-	6	(US-6514121-\$ or US-6555276-\$).did. or (US-20030057513-\$ or US-20020061720-\$ or US-20020006876-\$ or US-20010015314-\$).did.	USPAT; US-PGPUB	2003/05/12
-	1843	(susceptor or substrate or wafer) near7	USPAT; US-PGPUB	2003/05/12 17:15
-	16	(susceptor or substrate or wafer) near7 (reinforcement adj rib)	USPAT; US-PGPUB	2003/05/12
-	1605	((susceptor or substrate or wafer) near7	USPAT; US-PGPUB	2003/05/12 17:17
-	1170	118/728.ccls.	USPAT; US-PGPUB	2003/05/12 17:18
-	264	156/345.51.ccls.	USPAT; US-PGPUB	2003/05/12
_	1264	118/728.ccls. or 156/345.51.ccls.	USPAT; US-PGPUB	2003/05/12
-	12	(((susceptor or substrate or wafer) near7 rib) and @ad<20010827) and (118/728.ccls.)	USPAT; US-PGPUB	2003/05/12 17:19
-	721	118/52.ccls.	USPAT; US-PGPUB	2003/05/20
-	228	118/52.ccls. and (vacuum near7 (substrate or wafer))	USPAT; US-PGPUB	2003/05/20
_	466	118/728.ccls. and (vacuum near7 (substrate or wafer))	USPAT; US-PGPUB	2003/05/20
-	460	(118/728.ccls. and (vacuum near7 (substrate or wafer))) not (118/52.ccls.	USPAT; US-PGPUB	2003/05/20 17:56
	ــــــــــــــــــــــــــــــــــــــ	and (vacuum near7 (substrate or wafer)))	L	L

-	433	((118/728.ccls. and (vacuum near7	USPAT;	12002/05/00
		(substrate or wafer))) not (118/52.ccls	US-PGPUB	2003/05/20
		and (vacuum near7 (substrate or wafer)))) and @ad<20010827	OS FGFOB	17:56
-	319	(((Lary) 20 · CCrs. and (Vacuum hear)	USPAT;	2003/05/20
		(substrate or wafer))) not (118/52.ccls. and (vacuum near7 (substrate or wafer))))	US-PGPUB	18:03
		and @ad<20010827) and (vacuum near3		
		(substrate or wafer))	1	
_	1	5849135.pn.	USPAT;	2003/05/21
			US-PGPUB	09:22